



Table 10

Fatty Acid as a Percentage of Total Lipid Extracted from Yeast

Clone	18:3n-3	18:4n-3 Produced	20:3n-6	20:4n-6 Produced	percent conversion	20:4n-3	20:5n-3 Produced	percent conversion
PYX242 (control)	2.65	0	7.2	0	0	11.36	0.38	3.2
PRIG1 (Δ5)	2.28	0	12.17	10.12	45.4	8.43	12.59	59.75

50 uM substrate added

Key:

- 18:3n-3 =αLinolenic acid
- 18:4n-3 =Stearidonic acid
- 20:3n-6 =Dihomo-γ-linolenic acid
- 20:4n-6 =Arachidonic acid
- 20:4n-3 =n-3 Eicosatetraenoic acid
- 20:5n-3 =Eicosapentaenoic acid

$$\text{percent conversion} = \frac{\text{product}}{\text{substrate + product}} \times 100$$